

ABSTRACT OF THE DISCLOSURE

5 A steel for a high bearing pressure-resistant member,  
having a high machinability. The steel is formed of a machine  
structural steel comprising carbon in an amount ranging from 0.15  
to 0.25% by weight, silicon in an amount of not less than 0.4 % by  
weight, nickel in an amount ranging from 1 to 3 % by weight,  
chromium in an amount ranging from 1.2 to 3.2 % by weight, and  
molybdenum in an amount ranging from 0.25 to 2.0 % by weight. The  
10 machine structural steel contains carbide precipitated under a heat  
treatment for spheroidizing. The carbide has an average particle size  
of not larger than 1  $\mu\text{m}$  and the maximum particle size of not larger  
than 3  $\mu\text{m}$ .

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